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OPERATION CONTROL DEVICE FOR FUEL CELL

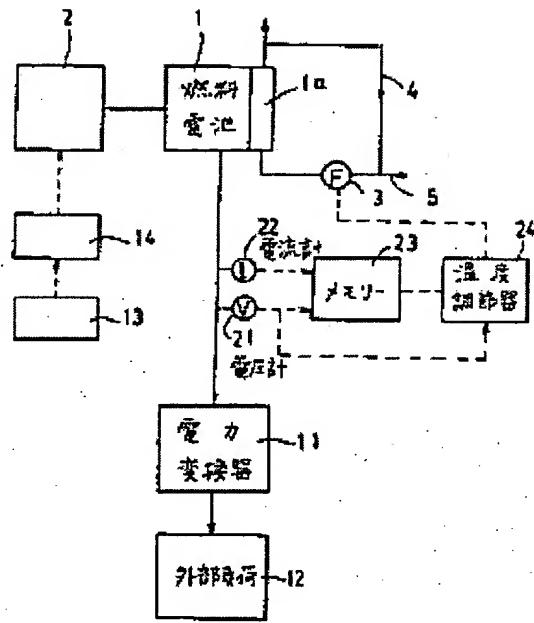
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Patent number: JP2098063
 Publication date: 1990-04-10
 Inventor: NAKAJIMA NORIYUKI
 Applicant: FUJI ELECTRIC CO LTD
 Classification:
 - international: H01M8/04
 - european:
 Application number: JP19880250153 19881004
 Priority number(s):

Abstract of JP2098063

PURPOSE: To reduce the loss in a power converter by comparing the voltage of the transmission power after the start of the power generation with the desired voltage value at the start of the power generation obtained from a memory, and controlling the cell temperature via a cooling medium in accordance with the deviation therebetween.

CONSTITUTION: The relation between the output voltage and the load current at the start of the power generation is stored in a memory 23. As to the transmission power after the start of the power generation, the output voltage at the start corresponding to the load current thereof is output from the memory 23 as a desired value, and this desired output voltage value and the output voltage at the transmission power are input to a temperature controller 24, and the rotating speed of a circulating fan 3 is controlled according to the deviation between these two voltages to control the cooling air flow rate and hence the cell temperature in a cell stack. In this case, the cooling air flow rate is controlled so that, after the start, the cell temperature is higher i.e., the cooling air flow rate is smaller than those at the start. Thus, even after the start, the high output voltage at the start can be maintained for the power, so that the set load power can be transmitted with a reduced load current.



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Legal status (INPADOC) of JP2098063

No legal data found.

RESULT LIST

1 result found in the Worldwide database for:
"JP2098063" as the publication number
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1 OPERATION CONTROL DEVICE FOR FUEL CELL

Inventor: NAKAJIMA NORIYUKI

Applicant: FUJI ELECTRIC CO LTD

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